

PATENT SPECIFICATION

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COMPLETE SPECIFICATION

A new or improved device for Clearing and Cleaning Drainpipes

We, WARLEX PRODUCTS LIMITED, of 9A Bagot Street, Birmingham 4, a Company incorporated under the laws of Great Britain, do hereby declare the invention for which we pray that a patent may be granted to us, and the method by which it is to be performed, to be particularly described in and by the following statement:—

This invention has reference to a new or improved device for clearing and cleaning drainpipes and has for its object to provide a new or improved device for the said purpose which is simple in construction, efficient in use, eminently suited for household use and capable of being produced at a relatively low cost.

According to the invention the new or improved device for clearing and cleaning drainpipes comprises a bendable and resilient wire core, a bendable and resilient surrounding casing of closely coiled wire and brushes, the stocks of which are adapted to be secured to the ends of the said casing so that the wire core can be caused to exert a pushing effort on the brushes.

The invention also resides in a device for clearing and cleaning drainpipes substantially as will be described hereinafter.

The invention will now be described with particular reference to the accompanying drawing which illustrates partly in elevation but mainly in section a drainpipe clearing and cleaning device in accordance with the invention.

According to the illustrated embodiment of the invention the improved device for clearing and cleaning drainpipes incorporates a core 1 constituted by a length of bendable and resilient wire. This core 1 is enclosed in an outer casing 2 consisting of a length of closely coiled wire which also is both bendable and resilient and the internal diameter of which is such as to permit of relative movement between the core 1 and the casing 2.

The casing 2 is of a length slightly in excess of the length of the wire core 1.

Adapted to be secured to each end of the

casing is a brush 3 and 4 respectively of the well known kind in which the bristles are radially arranged and secured in a twisted wire stock 3a, 4a and which admits of the brushes 3 and 4 being secured within the ends of the casing 2 by screwing the ends of the respective stocks thereinto.

The stocks 3a, 4a of the brushes 3 and 4 are of a length such that they may be screwed into the casing 2 to an extent such that the ends of the stocks 3a, 4a abut the presented ends of the wire core 1.

The brushes 3 and 4 are of different sizes so that the smaller brush 3 can be used for initial clearing or cleansing purposes and the larger brush 4 for succeeding clearing or cleansing operations.

In order to minimize deformation of the casing 2 in the regions where the core 1 abuts the stocks 3a, 4a of the brushes 3, 4, sleeves 5 of rubber or other flexible and resilient material are threaded over the end portions of the casing 2.

It will be appreciated that the flexibility afforded by the outer casing 2 and the inner core 1 permits a brush 3, 4 to be negotiated around relatively sharp bends if required whilst permitting a positive pushing effort to be exerted thereon simultaneously.

It will be appreciated that the manner of securing the brushes 3, 4 to the casing 2 also enables brushes to be replaced readily when required.

A device for clearing and cleaning drainpipes constructed as hereinbefore described is efficient in use, eminently suitable for domestic use and capable of being produced at a relatively low cost.

WHAT WE CLAIM IS:—

1. A device for clearing and cleaning drainpipes comprising a bendable and resilient wire core, a bendable and resilient surrounding casing of closely coiled wire and brushes, the stocks of which are adapted to be secured to the ends of the said casing so that the wire core can be caused to exert a pushing effort on the brushes.

[Price 3s. 6d.]

2. A device according to Claim 1 in which the stocks of the brushes are secured to the casing with the ends of the stocks in abutment with the ends of the wire core.
- 5 3. A device according to Claim 1 and Claim 2 in which the stocks of the brushes are screwed into the end portions of the casing.
4. A device according to Claim 1 in which the casing is reinforced at those parts where the wire core is associated with the presented ends of the stocks of the brushes.
- 10 5. A device according to Claim 5 in which the reinforcement is in the form of sleeves of a flexible and resilient material threaded on to the end portions of the casing.
- 15 6. A device for clearing and cleaning drainpipes constructed, arranged and adapted for use substantially as herein described and shown in the accompanying drawing.

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PROVISIONAL SPECIFICATION

A new or improved device for Clearing and Cleaning Drainpipes

- 20 We, WARLEX PRODUCTS LIMITED, of 9A Bagot Street, Birmingham 4, a Company incorporated under the laws of Great Britain, do hereby declare this invention to be described in the following statement:—
- 25 This invention has reference to a new or improved device for clearing and cleaning drainpipes and has for its object to provide a new or improved device for the said purpose which is simple in construction, efficient in use, eminently suited for household use and capable of being produced at a relatively low cost.
- 30 According to the invention, the new or improved device for clearing and cleaning drainpipes comprising a bendable and resilient wire core, a bendable and resilient surrounding casing of closely coiled wire and brushes, the stocks of which are adapted to be secured to the ends of the said casing.
- 35 The invention also resides in a device for clearing and cleaning drainpipes substantially as will be described hereinafter.
- 40 According to a convenient embodiment of the invention the improved device for clearing and cleaning drainpipes incorporates a core constituted by a length of bendable and resilient wire. This core is enclosed in an outer casing consisting of a length of closely coiled wire which also is both bendable and resilient
- 45 and the internal diameter of which is such as to permit of relative movement between the core and the casing.
- 50 The casing is of a length slightly in excess of the length of the wire core.
- 55 Adapted to be secured to each end of the casing is a brush of the well known kind in which the bristles are radially arranged and secured in a twisted wire stock, and which admits of the brushes being secured within the ends of the casing by screwing the ends of the respective stocks thereinto.
- 60 The stocks of the brushes are of a length such that they may be screwed into the casing to an extent such that the ends of the stocks can abut or substantially abut the presented ends of the wire core.
- 65 Conveniently the brushes are of different sizes so that the smaller brush can be used for initial clearing or cleansing purposes and the larger brush for succeeding clearing or cleansing operations.
- 70 It will be appreciated that the flexibility afforded by the outer casing and the inner core permits a brush to be negotiated around relatively sharp bends if required whilst permitting a positive pushing effort to be exerted thereon simultaneously.
- 75 It will be appreciated that the manner of securing the brushes to the casing also enables brushes to be replaced readily when required.
- 80 A device for clearing and cleaning drainpipes constructed as hereinbefore described is efficient in use, eminently suitable for domestic use and capable of being produced at a relatively low cost.
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1 SHEET

COMPLETE SPECIFICATION

*This drawing is a reproduction of
the Original on a reduced scale.*

